

- 15 -

Claims

1. A method for establishing a first type of connection in a telecommunication network, comprising the steps of:
- 5 a) performing a handshake processing with the called party of said first type of connection;
- b) determining a second type of connection;
- c) checking the result of said handshake processing; and
- 10 d) establishing said second type of connection, when said result of said checking step indicates that said handshake processing was not successful.
2. A method according to claim 1, wherein said determination step comprises a monitoring operation
- 15 performed in a network element (3) arranged between the calling party and said called party.
3. A method according to claim 2, wherein a connection fallback from said first type of connection to said second
- 20 type of connection is performed in said network element (3).
4. A method according to claim 2, wherein at least one type of connection supported by said called party is
- 25 determined as said second type of connection in said network element (3) by monitoring a signaling for call establishment, and wherein the call is re-established based on the determination result.
- 30 5. A method according to claim 4, wherein the determination result is signaled to said calling party which then performs the call re-establishment operation.

10036378-103101

- 16 -

6. A method according to any one of the preceding claims, wherein said first type of connection is a multimedia connection.

5 7. A method according to any one of the preceding claims, wherein said second type of connection is a speech connection.

10 8. A method according to any one of the preceding claims, further comprising the step of establishing said first type of connection, when said result of said checking step indicates that said handshake processing was successful.

15 9. A method according to any one of the preceding claims, wherein said first type of connection is a video connection.

20 10. A method according to any one of the preceding claims, wherein said handshake processing is an interworking processing.

25 11. A method according to any one of the preceding claims, wherein said first type of connection is a connection between a mobile terminal (1) and a network terminal (5) of a fixed network (4).

30 12. A method according to any one of claims 1 to 3, wherein said second type of connection is determined on the basis of said handshake processing.

13. A method according to any one of claims 1 to 3, wherein said second type of connection is determined by performing another handshake processing with said called party.

10036878-103101

- 17 -

14. A method according to any one of claims 1 to 3, wherein said second type of connection is determined on the basis of the calling number of said called party.

5

15. A method according to any one of claims 1 to 3, wherein said second type of connection is determined on the basis of a predetermined priority order.

10

16. A method according to any one of the preceding claims, wherein said first type of connection is compliant with the ITU-T Recommendation H.324.

15

17. A method according to any one of claims 1 to 3, wherein said second type of connection is established by performing a channel mode modification and changing switching.

20

18. A method according to any one of the preceding claims, further comprising the step of establishing a HSCSD call to said called party.

25

19. A system for establishing a first type of connection in a telecommunication network, comprising:

30

- a) negotiating means (32) for performing a handshake processing with the called party of said first type of connection;
- b) determining means (33) for determining a second type of connection;
- c) checking means (33) for checking the result of said handshake processing; and
- d) connection control means (34; 1) for establishing said second type of connection in response to the checking result of said checking means (33).

20. A system according to claim 19, wherein said determination means is provided in a network element (3) arranged between the calling party and said called party, and is adapted to perform a monitoring operation.

21. A system according to claim 20, wherein a connection fallback from said first type of connection control means to said second type of connection is performed in said network element (3).

22. A system according to claim 20, wherein at least one type of connection supported by said called party is determined as said second type of connection in said determining means (33) by monitoring a signaling for call establishment, wherein said connection control means (34) is arranged to re-establish the call based on the determination result.

23. A system according to claim 22, wherein said connection control means (1) is arranged at said calling party, and wherein the determination result is signaled by said determining means (33) to said calling party.

24. A system according to any one of claims 19 to 23, wherein said first type of connection is a multimedia connection.

25. A system according to any one of claims 19 to 24, wherein said second type of connection is a speech connection.

- 19 -

26. A system according to any one of claims 20 to 25,
wherein said network element is an interworking unit (3).

27. A system according to claim 26, wherein said
5 interworking unit (3) is arranged to check said first type
of connection.

28. A system according to any one of claims 19 to 27,
10 wherein said negotiation means is an interworking function
(32).

29. A system according to claim 28, wherein said
15 interworking function (32) is arranged to check said first
type of connection.

30. A system according to any one of claims 19 to 21,
wherein said determining means (33) is arranged to
20 determine said second type of connection on the basis of an
information obtained from said handshake processing.

31. A system according to any one of claims 19 to 21,
wherein said determining means (33) is arranged to
25 determine said second type of connection by performing
another handshake processing with said called party.

32. A system according to any one of claims 19 to 21,
wherein said determining means (33) is arranged to
30 determine said second type of connection on the basis of
the calling number of said called party.

33. A system according to any one of claims 19 to 21,
wherein said determining means (33) is arranged to

10036378-103101

- 20 -

determine said ~~second~~ type of connection on the basis of a predetermined priority order.

5

add a

TOEOT" 8289E00T